

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SPW99.07	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 00/09116	International filing date (day/month/year) 15/09/2000	(Earliest) Priority Date (day/month/year) 16/09/1999
Applicant SOLVAY PHARMACEUTICALS B.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☒ contained in the international application in written form.

☒ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

HUMAN G-PROTEIN COUPLED RECEPTOR

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claim 17 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition, as far as it refers to a polynucleotide comprising a nucleotide sequence that has at least 80% identity to SEQ.ID.1.

Continuation of Box I.2

Claims Nos.: 17 (partially); 18,21,23 (completely)

Claims 18, 21 and 23 and, partially, claim 17, as far as it refers to an agonist or a complementary nucleotide sequence in a form so as to effect production of IGS3 receptor activity, relate to agonists or antagonists of IGS3 receptor activity without giving a true technical characterization of the claimed matter. Consequently, the scope of said claims is ambiguous and vague, and their subject matter is not sufficiently disclosed and supported (Art. 5 and 6 PCT). No search can be carried out for such purely speculative claims whose wording is, in fact, a mere recitation of the results to be achieved.

Furthermore, claim 17 defines a polynucleotide as comprising a nucleotide sequence that has at least 80% identity to a nucleotide sequence encoding the IGS3 polypeptide of SEQ.ID.2 over its entire length. Back-translation of the polypeptide into DNA generates a very great number of nucleic acid sequences. It is not possible to search an entire database with this enormous set of sequences. The search thus has been limited to polynucleotide sequences having at least 80% identity with SEQ.ID.1.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

National Application No

PCT/EP 00/09116

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C12N15/12	C07K14/72	C07K16/28	C12Q1/68	C12N15/11
	C12N5/10	C12N1/19	G01N33/50	G01N33/566	A61K48/00
	A61K31/70	A61K31/00	A01K67/027		

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K C12Q G01N A61K A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TRENKLE T.C.M. ET AL.: "Human RAP-PCR products." EMBL DATABASE ACCESSION NUMBER AF003828, 28 July 1997 (1997-07-28), XP002130202 abstract	1-17,19, 20,22, 24,25
X	WO 94 10323 A (IMP CANCER RES TECH ;SPOONER ROBERT ANTHONY (GB); EOPENETOS AGAMEMN) 11 May 1994 (1994-05-11) SEQ.ID.53	6

☐

Further documents are listed in the continuation of box C.

☒

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

5 December 2000

Date of mailing of the international search report

12/12/2000

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Mandl, B

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/09116

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9410323 A	11-05-1994	EP 1038967 A	27-09-2000
		EP 0672158 A	20-09-1995
		GB 2286593 A,B	23-08-1995
		JP 8506239 T	09-07-1996
		US 5885808 A	23-03-1999
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